TWO NEW SPECIES OF DAPHNIPHYLLUM

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ABSTRACT

Daphniphyllum woodsonianum from Sumatra and *D. philippinense* from Luzon are described as new. The former is similar to *D. glaucescens* subsp. *scortechinii* (based on *D. scortechinii* Hook. f.) while the latter resembles *D. glaucescens* subsp. *borneense* (based on *D. borneense* Stapf).

Daphniphyllum woodsonianum Huang, sp. nov.—Fig. 1.

Folia verticillata vel subverticillata, subsessilia; lamina obovata, oblongo-ovata vel oblongo-obovata, coriacea, venis 7-9. *Inflorescentia* racemiformia. *Flos* masculus sine calyce vel calyce cupuliformi (?) *flos* femineus cum calyce. *Stamina* 8-11, filamentis longissimis, antheris elliptico-ovatis, apice triangularibus. *Ovarium* ovatum; stigma brevissima.

Shrubs or *trees*, the branchlets round, canaliculate, reddish-brown, the lenticels elliptic, elevate. *Leaves* verticillate or subverticillate, the petioles broadly triangular, very short, thickened at the base, 2 mm long and wide; blades obovate, oblong-ovate to oblong-obovate, the base obtuse, the apex rounded, rarely emarginate to mucronulate, the margins entire, 4-7 cm long, 2.5-4.5 cm wide, coriaceous, shining, smooth, brown on both surfaces, the lateral veins 7-9, thin, elevate-reticulate beneath. *Staminate inflorescences* oblong, 1.5-3 cm long, 0.2 mm wide, the pedicels oblong, 4-7 mm long, 0.1 mm wide; calyx absent or very shallowly cupuliform; stamens 8-11, the filaments oblong, 1.3-2.3 mm long, 0.1 mm wide, the anthers elliptic-ovate, 0.6-0.8 mm long, 0.4-0.5 mm wide, the triangular apex 0.2 mm long and wide. *Pistillate inflorescences* angulate, ca 2.5 cm long, 0.8 mm wide, the pedicels flat, 2-3 mm long, 0.1 mm wide; calyx oblong or obovate-oblong, subentire or with an irregularly divided apex, caducous, 0.4 mm long, 0.3 mm wide; ovary ovate, the stigma short, radiate or revolute.

INDONESIA. N. SUMATRA: Gaju & Alas lands, Paetjoeh Augasan, Aivonac, ridge forest alt 2500 m, *van Steenis* 8362 (L, holotype; BO, K, isotypes?), mountain shrubs, alt 2950-3500 m, *van Steenis* 8654 (BO, L).

Since both staminate (Kew & Bogor specimens) and pistillate (Leiden specimen) plants were collected by van Steenis under the same number (8362), possibly more than one tree was involved, perhaps the species is monoecious, or less likely the specimens were mislabelled.

¹ I would like to thank Drs. W. H. Lewis, J. D. Dwyer and A. Robyns for their assistance as well as the curators of the following herbaria for the loan of specimens: A, BM, BO, F, GH, K, L, MO, NY, US.

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Fig. 1. *Daphniphyllum woodsonianum* Huang. A: Twig with pistillate flowers (van Steenis 8362, L); B: Portion of a pistillate inflorescence (van Steenis 8362, L); C: Ovary and longitudinal and cross sections of the ovary (van Steenis 8362, L); D: Calyx (van Steenis 8362, L); E: Staminate inflorescence (van Steenis 8362, K); F: Naked staminate flower (van Steenis 8362, K); G: Stamen, dorsal and ventral views, and anthers in cross section (van Steenis 8362, K).

Fig. 2. *Daphniphyllum philippinense* Huang. A: Twig with naked staminate flowers (Curran *et al.* 18357, US); B: Naked staminate flower (Curran *et al.* 18357, US); C: Stamens showing apiculate and emarginate apices and anthers in cross section (Curran *et al.* 18357, US); D: Smooth fruit with divaricate styles, staminodia scars and calyx scars, longitudinal section, and a seed (Ramos 23478, F); E: Tuberculate fruit with revolute styles, staminodia scars, longitudinal section, and a seed (Merrill 1748, GH).

Huang, Tseng-Chieng. 1966. "Two New Species of *Daphniphyllum*." *Annals of the Missouri Botanical Garden* 53, 28–31. <https://doi.org/10.2307/2394972>.

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